



July 2007

**DEPARTMENT OF EDUCATION**  
2006–2007 School Year Reports

Dear School Board Members and School Personnel:

The Maine Educational Assessment (MEA) is the State's measure of student progress in achieving the State standards known as *Learning Results*, adopted by the Maine Legislature in 1997. The *Learning Results* established goals for what all students should know and be able to do at certain times in their school careers and are the basis for Grade Level Expectations, which describe the assessment standards for each grade. The MEA is administered to students in all grades 3 through 8 to meet state assessment requirements and the requirements of the federal *No Child Left Behind* Act.

The 2006-2007 MEA Summary Reports contain the results of student achievement in reading and mathematics at all grades and science and technology at grades 4 and 8, based on achievement standards set last year and disaggregated by student and school characteristics. The reports also contain baseline status in writing at grades 5 and 8, reported according to new standards set this year through a process approved by advisory committees and informed by Maine teachers. This report, together with MEA individual student and subject specific class analysis reports, provides support for use in program evaluation and planning.

MEA results reflect scores based on test questions that are taken in common by the approximately 15,000 students in each grade level. Students' scores in each content area are based on answers to a combination of multiple-choice questions and questions that require students to construct an answer. The writing reports provide information on a student's ability to respond to a prompt measuring narrative writing at grade 5 and persuasive/argumentative writing at grade 8. More information about the design of the MEA is available at [www.maine.gov/education/mea/index.htm](http://www.maine.gov/education/mea/index.htm).

I look forward to working with you in support of our continued efforts to improve the quality and effectiveness of the instructional opportunities designed to help all students achieve the high standards of the *Learning Results* and demonstrate that achievement through performance on the Maine Educational Assessment.

Sincerely,

Susan A. Gendron  
Commissioner of Education



## School Report Grade 4

Test Date: March 2007 (Reports Revised October 2007)  
ID: 12481708  
District: MSAD 54  
School: Bloomfield Elementary School

### Contents of the Report

The report is divided into two main sections including a section describing the students tested and a separate section for the results in each content area.

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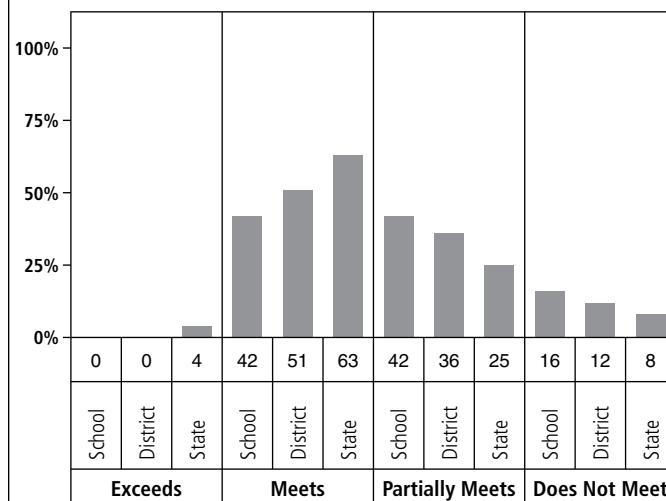
# SUMMARY OF SCORES

Date: March 2007  
Grade: 4  
District: MSAD 54  
School: Bloomfield Elementary School

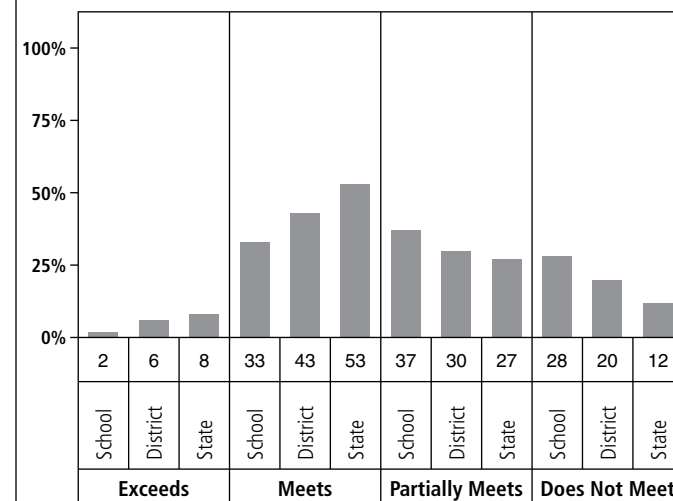
## Summary of School, District, and State Scores

Year	Average Scaled Score		
	School	District	State
<b>ELA – Reading</b>			
2005–2006	442	442	444
<b>2006–2007</b>	<b>440</b>	<b>442</b>	<b>445</b>
Cum. Avg. *	441	442	444
<b>Mathematics</b>			
2005–2006	440	442	444
<b>2006–2007</b>	<b>437</b>	<b>441</b>	<b>445</b>
Cum. Avg. *	438	442	444
<b>Science &amp; Technology</b>			
2005–2006	440	441	444
<b>2006–2007</b>	<b>437</b>	<b>439</b>	<b>444</b>
Cum. Avg. *	438	440	444

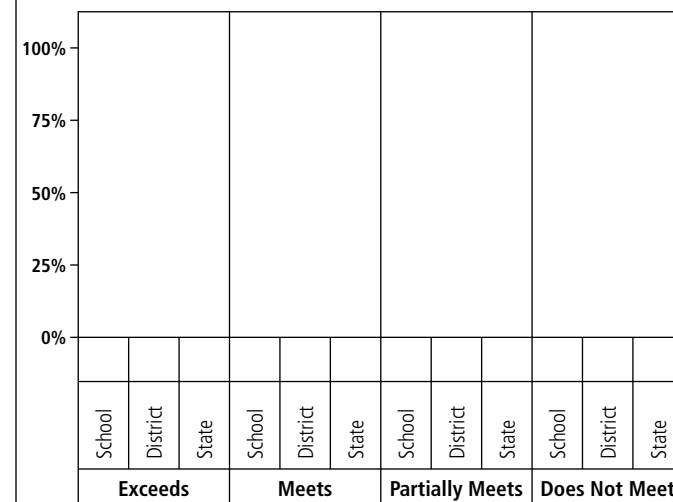
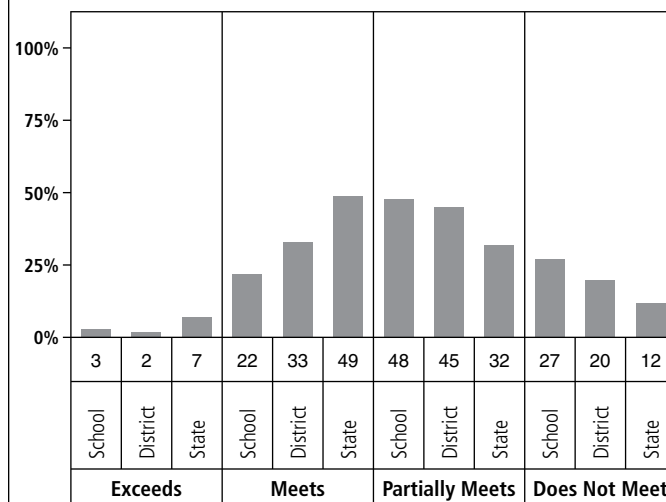
### ELA – READING



### MATHEMATICS



### SCIENCE AND TECHNOLOGY



\*Cumulative averages are weighted, i.e., the scaled scores are averaged proportionally based on the numbers of students in each year.

# SUMMARY OF STUDENT PARTICIPATION

Date: March 2007  
 Grade: 4  
 District: MSAD 54  
 School: Bloomfield Elementary School

CATEGORY OF PARTICIPATION		Enrollment <sup>1</sup> during testing window						CONTENT AREA PARTICIPATION <sup>2</sup>																											
								ELA-Reading						Mathematics						Science and Technology															
		School		District		State		School		District		State		School		District		State		School		District		State		School		District		State					
		n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%				
Total number of students		109	100	206	100	14184	100	109	100	206	100	14078	99	109	100	206	100	14078	99	109	100	206	100	14057	99										
Ethnicity	African American	4	4	5	2	391	3	4	100	5	100	385	99	4	100	5	100	387	99	4	100	5	100	377	97										
	American Indian/Native Alaskan	0	0	1	0	117	1	0	0	1	100	112	97	0	0	1	100	112	97	0	0	1	100	112	97										
	Asian/Pacific Islander	1	1	1	0	204	1	1	100	1	100	204	100	1	100	1	100	204	100	1	100	1	100	204	100										
	Hispanic	0	0	0	0	171	1	0	0	0	0	171	100	0	0	0	0	170	99	0	0	0	0	169	99										
	White	104	95	199	97	13295	94	104	100	199	100	13204	99	104	100	199	100	13203	99	104	100	199	100	13193	99										
	Not Reported	0	0	0	0	6	0	0	0	0	0	2	33	0	0	0	0	2	33	0	0	0	0	2	33										
Identified disability		19	17	40	19	2538	18	19	100	40	100	2508	99	19	100	40	100	2509	99	19	100	40	100	2502	99										
Current LEP		2	2	2	1	302	2	2	100	2	100	298	99	2	100	2	100	300	99	2	100	2	100	289	96										
Economically disadvantaged		61	56	116	56	5522	39	61	100	116	100	5468	99	61	100	116	100	5467	99	61	100	116	100	5450	99										
Migrant		0	0	0	0	4	0	0	0	0	0	4	100	0	0	0	0	4	100	0	0	0	0	4	100										

MODE OF PARTICIPATION <sup>3</sup>	ELA-Reading						Mathematics						Science and Technology											
	School		District		State		School		District		State		School		District		State		School		District		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Participation without accommodations	89	82	166	81	10869	77	91	83	168	82	10883	77	89	82	165	80	10890	77						
Identified disability (PET/IEP)	2	2	5	3	435	4	3	3	6	4	445	4	2	2	5	3	453	4						
LEP	0	0	0	0	133	1	0	0	0	0	124	1	0	0	0	0	126	1						
504 plan	3	3	3	2	122	1	3	3	3	2	122	1	3	3	3	2	123	1						
Participation with accommodations	18	17	37	18	3019	21	17	16	36	17	3029	21	18	17	38	18	3014	21						
Identified disability (PET/IEP)	15	83	32	86	1897	63	15	88	32	89	1903	63	15	83	32	84	1900	63						
LEP	2	11	2	5	151	5	2	12	2	6	172	6	2	11	2	5	160	5						
504 plan	1	6	1	3	62	2	1	6	1	3	62	2	1	6	1	3	61	2						
Other	1	6	3	8	941	31	0	0	2	6	924	31	1	6	4	11	925	31						
Participation through alternate assessment (PAAP)	2	2	3	1	180	1	1	1	2	1	166	1	2	2	3	1	153	1						
Identified disability (PET/IEP)	2	100	3	100	175	97	1	100	2	100	161	97	2	100	3	100	149	97						
LEP	0	0	0	0	4	2	0	0	0	0	4	2	0	0	0	0	3	2						
504 plan	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	1	1						
Approved non-participation in reading – 1st year LEP	0	0	0	0	10	0																		
Approved non-participation – special consideration	0	0	0	0	17	0	0	0	0	0	19	0	0	0	0	0	19	0						
Non-participation – other	0	0	0	0	89	1	0	0	0	0	87	1	0	0	0	0	108	1						

1 Percents are the percentage of students enrolled in each participation category.

2 Percents are the percentage of students, including those who participated through alternate assessment (PAAP), who participated in the content area.

3 Percents are the percentage of students in each content area by mode.

# ELA–READING RESULTS

Date: March 2007  
Grade: 4  
District: MSAD 54  
School: Bloomfield Elementary School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		District		State	
		N	%	N	%	N	%
<b>Exceeds the Standards</b> – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing in-depth inferences, analyzing texts for subtle clues, synthesizing information across texts, and using his/her knowledge of text features and literary devices to make deeper connections within or across texts to increase comprehension. (scaled score 461–480)	2005-2006 <b>2006-2007</b> Cum. Avg.	4 <b>0</b> 2	4 <b>0</b> 2	5 <b>1</b> 3	2 <b>0</b> 1	601 <b>507</b> 554	4 <b>4</b> 4
<b>Meets the Standards</b> – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing inferences, summarizing main ideas and providing supporting details, connecting ideas within and across texts, and using his/her knowledge of text features and literary devices to increase comprehension. (scaled score 441–460)	2005-2006 <b>2006-2007</b> Cum. Avg.	51 <b>45</b> 48	50 <b>42</b> 45	113 <b>103</b> 108	55 <b>51</b> 53	7910 <b>8749</b> 8330	57 <b>63</b> 60
<b>Partially Meets the Standards</b> – The student’s work demonstrates an inconsistent ability to read and interpret literary and informational texts appropriate for the grade level. The student’s ability to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, and use his/her knowledge of text features and literary devices varies depending on the texts. (scaled score 431–440)	2005-2006 <b>2006-2007</b> Cum. Avg.	34 <b>45</b> 40	33 <b>42</b> 38	57 <b>74</b> 66	28 <b>36</b> 32	3970 <b>3467</b> 3719	29 <b>25</b> 27
<b>Does Not Meet the Standards</b> – The student’s work demonstrates a limited ability to read and interpret literary and informational texts appropriate for the grade level. The student’s responses are often vague or incorrect leaving the impression that the student found it difficult to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, or use his/her knowledge of text features and literary devices to support comprehension. (scaled score 400–430)	2005-2006 <b>2006-2007</b> Cum. Avg.	14 <b>17</b> 16	14 <b>16</b> 15	29 <b>25</b> 27	14 <b>12</b> 13	1421 <b>1165</b> 1293	10 <b>8</b> 9

Learning Results Content Standard Cluster	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		District		State	
	N	%	N	%	N	%	N	%
<b>Total Reading Cluster</b>	<b>48</b>	<b>100</b>	26.5	55.2	28.1	58.5	31.0	64.6
<b>Literary Text</b>	<b>24</b>	<b>50</b>	14.3	59.6	15.0	62.5	16.4	68.3
<b>Informational Text</b>	<b>24</b>	<b>50</b>	12.3	51.3	13.1	54.6	14.5	60.4

The Maine *Learning Results* reading cluster includes Content Standards A (Process of Reading), B (Literature and Culture), and D (Informational Texts). The MEA assesses students’ reading skills based on questions related to two types of reading passages: literary and informational. Passages include both long and short authentic texts, selected from developmentally appropriate published works. Items on the MEA measure Grade Level Expectations, based on Maine’s *Learning Results*, which can be found at <http://www.maine.gov/education/lsalt/gles.htm>.

# ELA-READING RESULTS

## (CONTINUED)

Date: March 2007  
 Grade: 4  
 District: MSAD 54  
 School: Bloomfield Elementary School

REPORTING CATEGORIES	School										District						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
<b>All Students</b>	107	0	0	45	42	45	42	17	16	440	203	0	51	36	12	442	13888	4	63	25	8	445
<b>Ethnicity</b>																						
African American	3										4						372	0	44	31	25	437
American Indian/Native Alaskan	0										1						110	1	49	34	16	441
Asian/Pacific Islander	1										1						200	4	66	22	9	446
Hispanic	0										0						166	0	51	37	12	441
White	103	0	0	43	42	44	43	16	16	440	197	1	50	37	12	442	13038	4	64	25	8	445
Not Reported	0										0						2					
<b>Identified disability</b>																						
Yes	17	0	0	0	0	6	35	11	65	429	37	0	8	43	49	431	2332	1	34	41	25	438
No	90	0	0	45	50	39	43	6	7	442	166	1	60	35	4	444	11556	4	69	22	5	447
<b>Limited English proficient students</b>																						
Current LEP in first year	0										0						5	0	20	20	60	421
Current LEP beyond first year	2										2						279	0	31	36	33	435
<b>Economically disadvantaged</b>																						
Yes	59	0	0	18	31	29	49	12	20	438	114	0	39	43	18	439	5368	1	52	33	14	442
No	48	0	0	27	56	16	33	5	10	443	89	1	65	28	6	445	8520	5	70	20	5	447
<b>Migrant</b>																						
Yes	0										0						4					
No	107	0	0	45	42	45	42	17	16	440	203	0	51	36	12	442	13884	4	63	25	8	445
<b>Gender</b>																						
Female	57	0	0	23	40	25	44	9	16	441	115	0	55	34	11	443	6719	5	65	23	8	446
Male	50	0	0	22	44	20	40	8	16	440	88	1	45	40	14	440	7167	3	61	27	9	444
Not Reported	0										0						2					
<b>Title 1A targeted program</b>																						
Yes	17	0	0	1	6	10	59	6	35	433	29	0	17	55	28	435	1864	0	38	44	18	439
No	90	0	0	44	49	35	39	11	12	442	174	1	56	33	10	443	12024	4	67	22	7	446
<b>Gifted/talented program</b>																						
Yes	9	0	0	9	100	0	0	0	0	454	20	5	95	0	0	454	402	19	80	0	0	457
No	98	0	0	36	37	45	46	17	17	439	183	0	46	40	14	440	13486	3	62	26	9	445

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

# ELA–READING RESULTS

## (QUESTIONNAIRE ITEMS)

Date: March 2007  
 Grade: 4  
 District: MSAD 54  
 School: Bloomfield Elementary School

QUESTIONNAIRE ITEMS	School										District						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
<b>How much homework do you do on school nights?</b> A. none B. less than one hour C. one to two hours D. more than two hours	7 81 7 6	0 0 0 0	0 0 0 0	1 36 6 2	14 42 86 33	3 38 1 2	43 44 14 33	3 12 0 2	43 14 0 33	434 440 446 438	6 78 11 4	0 1 0 0	15 52 70 38	54 37 22 38	31 11 9 25	436 442 444 440	5 76 18 2	1 4 4 3	45 64 65 43	33 24 24 32	21 7 7 23	440 446 446 440
<b>How well do the questions that you have just been given on this MEA test match what you have learned in school about reading?</b> A. The questions on the test match what I have learned in reading class. B. They match some of what I have learned. C. They match just a little of what I have learned. D. There is no match.	32 50 15 3	0 0 0 0	0 0 0 0	14 27 3 1	41 51 19 33	12 21 10 1	35 40 63 33	8 5 3 1	24 9 19 33	439 442 437 440	37 46 13 3	1 0 0 0	56 57 27 14	29 35 58 29	13 8 15 57	443 443 438 433	31 51 13 5	5 3 1 1	67 67 49 37	20 24 34 39	7 6 15 22	447 446 441 439
<b>Which of the following best describes how you rate yourself as a student in reading?</b> A. very good B. good C. fair D. poor	50 39 9 2	0 0 0 0	0 0 0 0	26 15 4 0	49 37 44 0	19 21 2 1	36 51 22 50	8 5 3 1	15 12 33 50	441 440 438 429	40 46 11 2	0 1 0 0	56 49 52 20	32 41 30 20	12 9 17 60	443 442 440 425	36 49 13 2	6 3 1 0	70 63 49 32	17 27 36 38	6 7 14 30	448 445 441 436
<b>How hard was the reading part of this test?</b> A. harder than my regular schoolwork B. about the same as my regular schoolwork C. easier than my regular schoolwork	20 59 21	0 0 0	0 0 0	6 30 9	29 49 41	11 25 7	52 41 32	4 6 6	19 10 27	437 442 439	18 61 21	0 1 0	28 61 44	50 32 34	22 6 22	437 444 440	16 61 23	1 4 3	47 67 64	35 23 24	17 6 8	441 446 445
<b>How hard were the reading passages on this test?</b> A. Most of the passages were more difficult than what I usually read. B. Most of the passages were about the same as what I usually read. C. Most of the passages were easier than what I usually read.	15 50 35	0 0 0	0 0 0	5 22 17	33 43 49	7 24 10	47 47 29	3 5 8	20 10 23	438 441 441	15 53 32	0 0 2	27 56 57	50 36 29	23 9 13	437 442 444	14 51 36	0 3 6	35 66 71	42 25 17	23 6 6	438 445 448
<b>How much time do you spend reading at home each day?</b> A. more than one hour B. 20 minutes to an hour C. less than 20 minutes D. I rarely read at home.	19 53 19 9	0 0 0 0	0 0 0 0	8 28 6 3	40 50 30 30	7 22 10 5	35 39 50 50	5 6 4 2	25 11 20 20	439 442 437 439	16 63 13 8	0 1 0 0	50 57 33 38	34 33 48 44	16 10 19 19	441 443 438 440	18 55 14 13	6 4 1 1	66 67 57 49	21 22 29 36	7 6 13 13	447 446 442 441
<b>How many pages do you read in school and to complete homework assignments?</b> A. five or fewer pages B. six to ten pages C. eleven or more pages	22 15 63	0 0 0	0 0 0	8 5 31	35 31 48	12 6 26	52 38 40	3 5 8	13 31 12	440 436 441	22 23 55	0 0 1	45 49 55	45 31 35	9 20 10	441 440 443	23 26 51	3 3 4	54 63 68	31 26 21	12 8 6	443 445 447
<b>Optional school/district question</b> A. B. C. D.	25 25 50 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	1 1 2 0	100 100 100 0	0 0 0 0	0 0 0 0	438 440 435 0	25 25 50 0	0 0 0 0	0 0 0 0	100 100 100 0	0 0 0 0	438 440 435 0						

# MATHEMATICS RESULTS

Date: March 2007  
Grade: 4  
District: MSAD 54  
School: Bloomfield Elementary School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		District		State	
		N	%	N	%	N	%
<b>Exceeds the Standards</b> – The student’s work demonstrates in-depth understanding of essential concepts in mathematics, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information; analyze and solve difficult problems, including developing and implementing strategies, efficiently and accurately performing procedures, and recording and justifying solutions; and explain complex concepts. (scaled score 461–480)	2005-2006	5	5	12	6	1294	9
	<b>2006-2007</b>	<b>2</b>	<b>2</b>	<b>13</b>	<b>6</b>	<b>1054</b>	<b>8</b>
	Cum. Avg.	4	4	13	6	1174	8
<b>Meets the Standards</b> – The student’s work demonstrates a general understanding of essential concepts in mathematics, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve problems including developing and implementing strategies, to perform procedures, and to record and explain solutions and concepts. The student’s work may contain minor errors. (scaled score 441–460)	2005-2006	40	39	91	45	7000	50
	<b>2006-2007</b>	<b>36</b>	<b>33</b>	<b>88</b>	<b>43</b>	<b>7394</b>	<b>53</b>
	Cum. Avg.	38	36	90	44	7197	52
<b>Partially Meets the Standards</b> – The student’s work demonstrates incomplete understanding of essential concepts in mathematics and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems, and explain concepts. Problem solving strategies may be flawed, procedures performed inaccurately, methods not recorded and/or problems not completed. (scaled score 429–440)	2005-2006	42	41	72	35	3784	27
	<b>2006-2007</b>	<b>40</b>	<b>37</b>	<b>62</b>	<b>30</b>	<b>3729</b>	<b>27</b>
	Cum. Avg.	41	39	67	33	3757	27
<b>Does Not Meet the Standards</b> – The student’s work demonstrates limited understanding of essential concepts in mathematics and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and explain concepts. Problem solving strategies and procedures are often flawed or inappropriate and there may be many omissions. (scaled score 400–428)	2005-2006	16	16	29	14	1894	14
	<b>2006-2007</b>	<b>30</b>	<b>28</b>	<b>41</b>	<b>20</b>	<b>1735</b>	<b>12</b>
	Cum. Avg.	23	22	35	17	1815	13

Learning Results Content Standard Clusters	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		District		State	
	N	%	N	%	N	%	N	%
Cluster 1: Numbers and Operations	15	31	8.8	58.7	9.6	64.0	10.1	67.3
Cluster 2: Shape and Size	14	29	7.0	50.0	7.9	56.4	8.6	61.4
Cluster 3: Mathematical Decision Making	5	10	3.0	60.0	3.3	66.0	3.6	72.0
Cluster 4: Patterns	14	29	7.3	52.1	8.1	57.9	8.9	63.6

## Cluster 1: Numbers and Operations

- A. Numbers and Number Sense
- B. Computation
- I. Discrete Mathematics (grades 3 and 4 only)

## Cluster 2: Shape and Size

- E. Geometry
- F. Measurement

## Cluster 3: Mathematical Decision Making

- C. Data Analysis and Statistics
- D. Probability

## Cluster 4: Patterns

- G. Patterns, Relations, and Functions
- H. Algebra Concepts
- K. Mathematical Communication

Each content standard in the clusters above is defined in Maine’s *Learning Results*, which are the basis for Grade Level Expectations. Each item on the MEA measures a grade level expectation, which can be found at <http://www.maine.gov/education/lslt/gles.htm>.

# MATHEMATICS RESULTS

## (CONTINUED)

Date: March 2007  
 Grade: 4  
 District: MSAD 54  
 School: Bloomfield Elementary School

REPORTING CATEGORIES	School										District						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
<b>All Students</b>	108	2	2	36	33	40	37	30	28	437	204	6	43	30	20	441	13912	8	53	27	12	445
<b>Ethnicity</b>																						
African American	4										5	0	40	20	40	434	381	2	33	31	34	435
American Indian/Native Alaskan	0										1						110	1	58	30	11	443
Asian/Pacific Islander	1										1						202	9	57	22	11	447
Hispanic	0										0						166	2	44	37	17	441
White	103	2	2	34	33	39	38	28	27	437	197	7	43	30	20	441	13051	8	54	27	12	445
Not Reported	0										0						2					
<b>Identified disability</b>																						
Yes	18	0	0	1	6	4	22	13	72	420	38	0	13	37	50	428	2348	2	34	34	30	437
No	90	2	2	35	39	36	40	17	19	440	166	8	50	29	13	444	11564	9	57	25	9	446
<b>Limited English proficient students</b>																						
Current LEP in first year	0										0						13	0	31	8	62	426
Current LEP beyond first year	2										2						283	2	34	30	34	435
<b>Economically disadvantaged</b>																						
Yes	60	0	0	17	28	20	33	23	38	433	115	1	39	32	28	437	5379	3	44	34	19	440
No	48	2	4	19	40	20	42	7	15	441	89	13	48	28	10	446	8533	11	59	23	8	448
<b>Migrant</b>																						
Yes	0										0						4					
No	108	2	2	36	33	40	37	30	28	437	204	6	43	30	20	441	13908	8	53	27	12	445
<b>Gender</b>																						
Female	57	2	4	17	30	19	33	19	33	435	115	7	43	29	21	441	6727	7	53	27	13	444
Male	51	0	0	19	37	21	41	11	22	438	89	6	43	33	19	442	7183	8	54	26	12	445
Not Reported	0										0						2					
<b>Title 1A targeted program</b>																						
Yes	17	0	0	0	0	5	29	12	71	423	29	0	10	38	52	428	1872	1	32	42	25	436
No	91	2	2	36	40	35	38	18	20	439	175	7	49	29	15	443	12040	9	56	24	10	446
<b>Gifted/talented program</b>																						
Yes	9	2	22	6	67	1	11	0	0	456	20	40	55	5	0	460	402	42	55	2	0	461
No	99	0	0	30	30	39	39	30	30	435	184	3	42	33	22	439	13510	7	53	28	13	444

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number



# MATHEMATICS RESULTS

## (QUESTIONNAIRE ITEMS)

Date: March 2007  
Grade: 4  
District: MSAD 54  
School: Bloomfield Elementary School

QUESTIONNAIRE ITEMS	School										District						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
		%	N	%	N	%	N	%	N			%	%	%	%			%	%	%	%	
<b>How much homework do you do on school nights?</b> A. none B. less than one hour C. one to two hours D. more than two hours	7 81 7 6	0 2 0 0	0 2 0 0	1 27 6 2	14 31 86 33	1 37 1 1	14 43 14 17	5 20 0 3	71 23 0 50	423 437 450 434	6 78 11 4	0 7 9 0	15 44 57 38	31 32 22 25	54 16 13 38	427 442 446 438	5 76 18 2	4 8 7 4	40 54 54 36	28 26 28 35	28 11 11 26	439 445 445 438
<b>How well do the questions that you have just been given on this MEA test match what you have learned in school about mathematics?</b> A. The questions on the test match what I have learned in mathematics class. B. They match some of what I have learned. C. They match just a little of what I have learned. D. There is no match.	38 44 11 7	1 1 0 0	3 2 0 0	11 21 3 1	28 45 25 14	17 17 3 3	43 36 25 43	11 8 6 3	28 17 50 43	436 440 433 431	34 50 10 6	13 4 0 0	38 56 25 8	32 27 35 42	17 13 40 50	443 444 433 428	40 46 10 4	11 6 4 4	58 54 40 28	22 29 34 35	9 11 23 33	448 444 439 436
<b>Which of the following best describes how you rate yourself as a student in mathematics?</b> A. very good B. good C. fair D. poor	48 35 15 2	1 1 0 0	2 3 0 0	20 12 4 0	39 32 25 0	19 15 5 1	37 41 31 50	11 9 7 1	22 24 44 50	439 437 432 428	40 42 15 3	11 5 0 0	40 48 39 57	34 30 26 29	15 18 35 14	443 441 436 442	37 46 14 2	14 5 2 1	59 54 42 27	18 29 38 43	9 12 19 29	449 444 440 435
<b>How hard was the mathematics part of this test?</b> A. harder than my regular schoolwork B. about the same as my regular schoolwork C. easier than my regular schoolwork	14 59 27	0 2 0	0 3 0	6 22 8	40 35 29	6 25 9	40 40 32	3 13 11	20 21 39	438 438 434	13 61 25	0 4 16	33 52 29	41 29 29	26 15 25	437 442 442	12 62 26	4 7 11	37 56 56	34 27 23	25 10 10	438 445 447
<b>How often do you use hands-on materials in mathematics class?</b> A. almost every day B. two or three days a week C. two or three times each month D. never	19 61 14 6	0 2 0 0	0 3 0 0	6 20 8 2	30 31 53 33	5 30 2 2	25 47 13 33	9 12 5 2	45 19 33 33	432 439 438 435	26 55 14 5	8 7 4 0	40 46 46 27	25 34 21 45	27 13 29 27	440 443 439 435	21 37 34 8	6 8 9 6	47 55 57 46	29 26 26 30	18 11 9 18	442 445 446 442
<b>How often do you use calculators in mathematics class?</b> A. almost every day B. two or three days a week C. two or three times each month D. never	4 8 66 23	0 0 2 0	0 0 3 0	0 2 25 9	0 25 36 38	3 3 27 7	75 38 39 29	1 3 16 8	25 38 23 33	429 433 438 437	3 8 68 21	0 6 7 7	0 31 49 38	50 38 30 29	50 25 15 26	426 439 443 440	4 19 56 21	2 6 9 6	33 47 58 50	34 31 24 28	31 15 8 16	436 443 447 443
<b>On average, how many minutes a day do you spend working on mathematics in class?</b> A. less than 30 minutes B. 30–45 minutes C. 45–60 minutes D. more than 60 minutes	17 29 29 25	0 0 2 0	0 0 6 0	6 11 11 8	33 35 35 31	6 13 10 11	33 42 32 42	6 7 8 7	33 23 26 27	433 439 440 435	14 25 27 35	4 6 6 9	29 36 44 54	39 38 30 23	29 20 20 14	435 440 442 444	8 27 40 25	3 5 9 10	39 51 57 56	35 30 25 24	24 15 10 10	438 443 446 447
<b>Optional school/district question</b> A. B. C. D.	25 25 50 0	0 0 0 0	0 0 0 0	0 0 1 50	0 0 0 50	1 1 0 0	100 100 0 0	0 0 1 50	0 0 50 50	436 438 430 430	25 25 50 0	0 0 0 0	0 0 50 0	100 100 0 50	0 0 50 50	436 438 430 430						

# SCIENCE AND TECHNOLOGY RESULTS

Date: March 2007  
Grade: 4  
District: MSAD 54  
School: Bloomfield Elementary School

ACHIEVEMENT LEVEL DEFINITIONS			STUDENTS AT EACH ACHIEVEMENT LEVEL					
			School		District		State	
			N	%	N	%	N	%
The quality of a student's work at each achievement level reflects progress in attaining Maine's Grade Span Expectations in science and technology.								
<b>Exceeds the Standards</b> – The student's work demonstrates in-depth understanding of essential concepts in science, including the ability to make multiple connections among central ideas. The student's responses demonstrate the ability to synthesize information, analyze and solve difficult problems using the processes of scientific inquiry, and explain complex concepts using evidence and proper terminology to support and communicate logical conclusions. (scaled score 461–480)	2005-2006 <b>2006-2007</b> Cum. Avg.		5	5	8	4	751	5
			3	3	4	2	963	7
			4	4	6	3	857	6
<b>Meets the Standards</b> – The student's work demonstrates a general understanding of essential concepts in science, including the ability to make connections among central ideas. The student's responses demonstrate the ability to analyze and solve routine problems using the processes of scientific inquiry and explain central concepts with sufficient clarity and accuracy to demonstrate general understanding. (scaled score 441–460)	2005-2006 <b>2006-2007</b> Cum. Avg.		40	39	87	43	7251	52
			24	22	67	33	6824	49
			32	30	77	38	7038	50
<b>Partially Meets the Standards</b> – The student's work demonstrates incomplete understanding of essential concepts in science and inconsistent connections among central ideas. The student's responses demonstrate some ability to analyze and solve problems using scientific inquiry but the quality of responses is inconsistent. Explanation of concepts may be incomplete or unclear. (scaled score 429–440)	2005-2006 <b>2006-2007</b> Cum. Avg.		42	41	81	40	4514	32
			51	48	92	45	4382	32
			47	44	87	43	4448	32
<b>Does Not Meet the Standards</b> – The student's work demonstrates limited understanding of essential concepts in science and infrequent or inaccurate connections among central ideas. The student's responses demonstrate minimal ability to solve problems and use the skills of scientific inquiry. There are many inaccuracies and explanations are illogical, incomplete, or missing. (scaled score 400–428)	2005-2006 <b>2006-2007</b> Cum. Avg.		16	16	27	13	1458	10
			29	27	40	20	1735	12
			23	22	34	17	1597	11

Learning Results Content Standard Clusters	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		District		State	
	N	%	N	%	N	%	N	%
Cluster 1: Life Sciences	12	25	6.4	53.3	6.7	55.8	7.6	63.3
Cluster 2: Physical Sciences	12	25	8.1	67.5	8.4	70.0	8.8	73.3
Cluster 3: Earth and Space Sciences	12	25	5.7	47.5	6.0	50.0	6.8	56.7
Cluster 4: Nature and Implications of Science	12	25	6.6	55.0	7.0	58.3	7.8	65.0

## Cluster 1: Life Sciences

- A. Classifying Life Forms
- B. Ecology
- C. Cells

## Cluster 2: Physical Sciences

- E. Structure of Matter
- H. Energy
- I. Motion

## Cluster 3: Earth and Space Sciences

- D. Continuity and Change
- F. The Earth
- G. The Universe

## Cluster 4: Nature and Implications of Science

- J. Inquiry and Problem Solving
- K. Scientific Reasoning
- L. Communication
- M. Implications of Science & Technology

Each content standard in the clusters shown is defined in Maine's *Learning Results*, which are the basis for science and technology Grade Span Expectations. Each item on the MEA measures a grade span expectation, which can be found at <http://www.maine.gov/education/lsalt/gles.htm>.

# SCIENCE AND TECHNOLOGY RESULTS

## (CONTINUED)

Date: March 2007  
 Grade: 4  
 District: MSAD 54  
 School: Bloomfield Elementary School

REPORTING CATEGORIES	School										District						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
<b>All Students</b>	107	3	3	24	22	51	48	29	27	437	203	2	33	45	20	439	13904	7	49	32	12	444
<b>Ethnicity</b>																						
African American	3										4						371	2	29	39	30	435
American Indian/Native Alaskan	0										1						110	2	35	41	22	440
Asian/Pacific Islander	1										1						202	10	49	30	12	445
Hispanic	0										0						166	4	41	40	16	441
White	103	2	2	24	23	50	49	27	26	437	197	2	34	45	19	439	13053	7	50	31	12	444
Not Reported	0										0						2					
<b>Identified disability</b>																						
Yes	17	0	0	2	12	5	29	10	59	428	37	0	14	49	38	431	2353	3	33	39	25	438
No	90	3	3	22	24	46	51	19	21	438	166	2	37	45	16	440	11551	8	52	30	10	445
<b>Limited English proficient students</b>																						
Current LEP in first year	0										0						5	0	20	40	40	432
Current LEP beyond first year	2										2						281	2	24	40	34	434
<b>Economically disadvantaged</b>																						
Yes	59	1	2	10	17	29	49	19	32	434	114	1	26	46	26	436	5370	3	41	37	19	440
No	48	2	4	14	29	22	46	10	21	440	89	3	42	44	11	442	8534	9	54	28	9	446
<b>Migrant</b>																						
Yes	0										0						4					
No	107	3	3	24	22	51	48	29	27	437	203	2	33	45	20	439	13900	7	49	32	12	444
<b>Gender</b>																						
Female	57	2	4	11	19	26	46	18	32	436	115	3	30	45	22	439	6720	7	48	32	13	443
Male	50	1	2	13	26	25	50	11	22	438	88	1	36	45	17	439	7182	7	50	31	12	444
Not Reported	0										0						2					
<b>Title 1A targeted program</b>																						
Yes	17	0	0	0	0	3	18	14	82	426	29	0	7	38	55	430	1865	1	31	42	26	437
No	90	3	3	24	27	48	53	15	17	439	174	2	37	47	14	440	12039	8	52	30	10	445
<b>Gifted/talented program</b>																						
Yes	9	2	22	6	67	1	11	0	0	457	20	10	80	10	0	453	401	31	64	4	1	458
No	98	1	1	18	18	50	51	29	30	435	183	1	28	49	22	437	13503	6	49	32	13	444

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

# SCIENCE AND TECHNOLOGY RESULTS

## (QUESTIONNAIRE ITEMS)

Date: March 2007  
Grade: 4  
District: MSAD 54  
School: Bloomfield Elementary School

QUESTIONNAIRE ITEMS	School										District						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
<b>How much homework do you do on school nights?</b> A. none B. less than one hour C. one to two hours D. more than two hours	7 81 7 6	0 3 0 0	0 3 0 0	0 19 4 1	0 22 57 17	3 42 3 2	43 49 43 33	4 22 0 3	57 26 0 50	426 437 445 431	6 78 11 4	0 2 4 0	8 34 43 38	54 47 35 25	38 18 17 38	429 439 442 436	5 76 18 2	4 7 8 3	37 50 50 39	35 32 30 32	23 11 12 26	440 444 444 438
<b>How well do the questions that you have just been given on this MEA test match what you have learned in school about science?</b> A. The questions on the test match what I have learned in science class. B. They match some of what I have learned. C. They match just a little of what I have learned. D. There is no match.	13 46 23 18	1 2 0 0	7 4 0 0	1 12 6 5	7 25 25 26	8 22 13 7	57 46 54 37	4 12 5 7	29 25 21 37	437 438 436 436	12 36 37 14	4 4 0 0	20 26 43 38	52 48 46 31	24 22 11 31	437 438 440 437	21 49 24 7	10 7 5 4	50 51 48 38	28 32 33 37	12 11 14 21	445 445 443 439
<b>Which of the following best describes how you rate yourself as a student in science?</b> A. very good B. good C. fair D. poor	42 48 8 2	2 1 0 0	4 2 0 0	13 9 2 0	29 18 25 0	18 29 3 0	40 57 38 0	12 12 3 2	27 24 38 100	438 437 435 425	33 51 15 1	5 1 0 0	30 32 47 0	44 47 43 0	21 20 10 100	439 438 440 425	23 54 20 3	9 8 4 2	51 51 46 31	27 31 37 38	13 11 14 29	445 445 442 436
<b>How difficult was the science part of this test?</b> A. harder than my regular schoolwork B. about the same as my regular schoolwork C. easier than my regular schoolwork	22 62 16	2 1 0	9 2 0	6 16 2	26 25 13	9 31 7	39 48 44	6 16 7	26 25 44	439 437 433	35 51 14	3 1 4	41 36 11	43 44 46	13 20 39	441 439 433	24 61 15	6 8 7	48 50 48	32 31 31	14 11 14	443 445 443
<b>How often do you have science classes?</b> A. every day B. a few times a week C. once a week D. a few times a month	25 37 15 24	2 1 0 0	8 3 0 0	6 9 3 6	23 23 19 24	11 17 8 14	42 44 50 56	7 12 5 5	27 31 31 20	439 436 433 437	17 42 16 24	6 1 0 2	20 38 33 35	51 39 45 50	23 22 21 13	438 439 438 440	26 53 10 11	7 8 4 6	48 51 45 48	32 31 32 33	13 11 18 13	444 445 442 443
<b>Which statement best describes how you learn science?</b> A. I mostly read a textbook and answer questions, and/or take notes and do assignments. I use science kits for demonstrations and experiments. B. I work in groups to design and conduct experiments. C. I do a combination of A and B, mostly A. D. I do a combination of A and B, mostly B.	19 32 17 31	0 1 0 2	0 3 0 6	6 5 4 9	30 15 22 27	10 17 10 12	50 50 56 36	4 11 4 10	20 32 22 30	438 436 436 437	14 38 23 25	0 3 0 4	30 33 35 33	48 45 52 37	22 20 13 27	437 439 439 438	23 26 28 24	5 4 10 9	45 44 53 54	35 37 28 27	15 16 10 10	442 442 446 446
<b>Optional school/district question</b> A. B. C. D.	25 25 50 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	1 1 1 1	100 100 50 50	0 0 1 50	0 0 1 50	430 430 424 424	25 25 50 0	0 0 0 0	0 0 0 50	100 100 50 50	0 0 0 50	430 430 424 424						